

FIG. 1

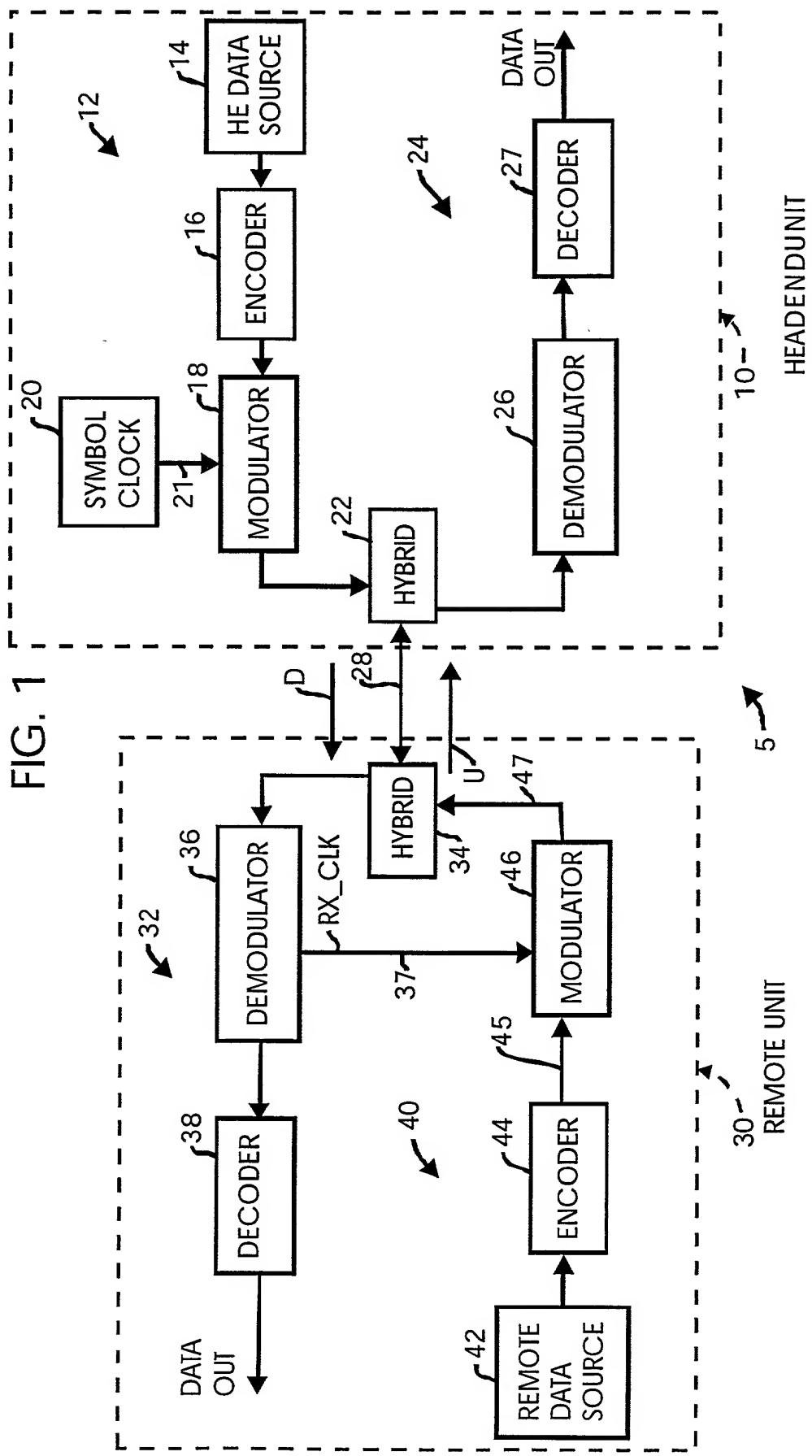


FIG. 2

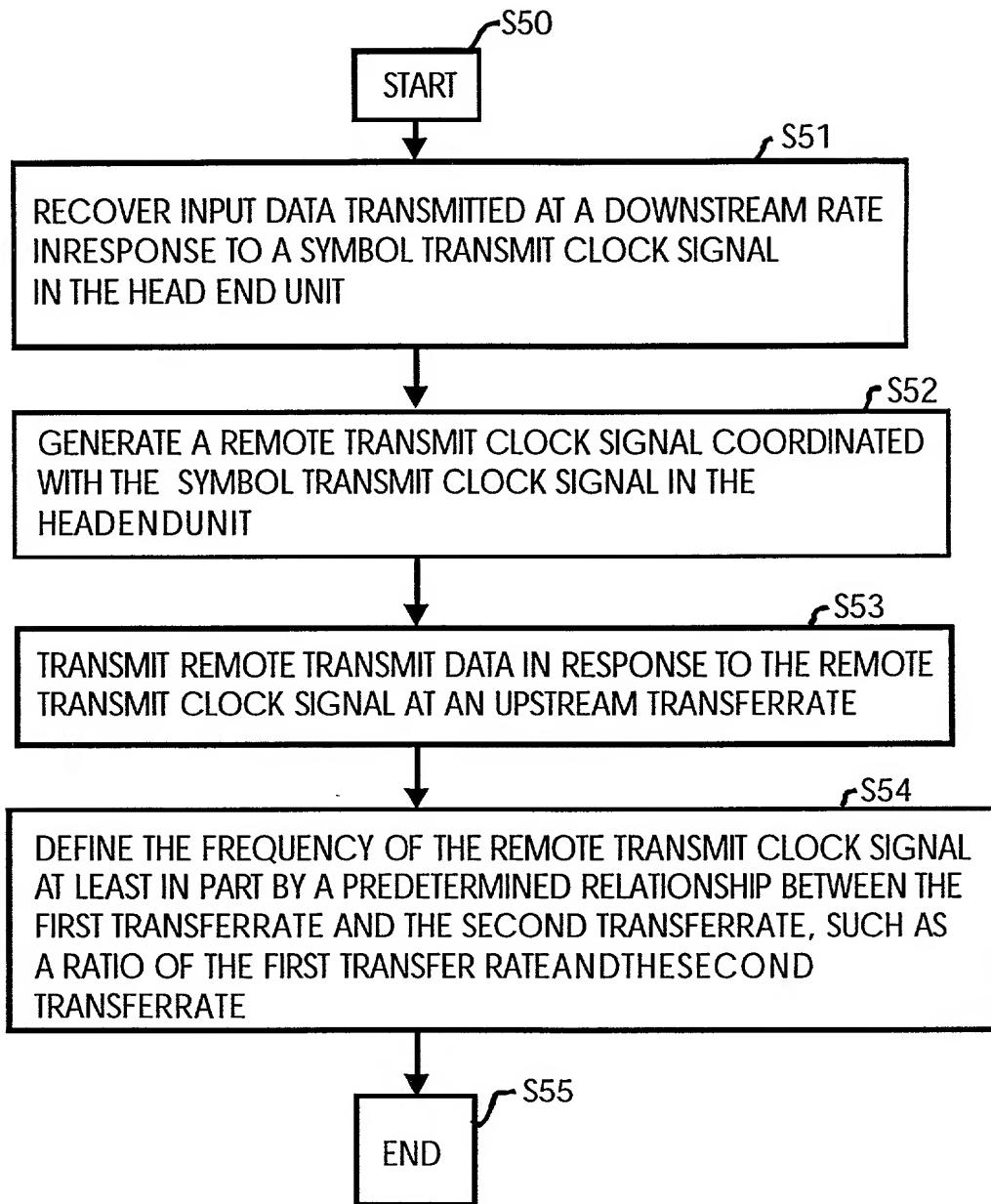
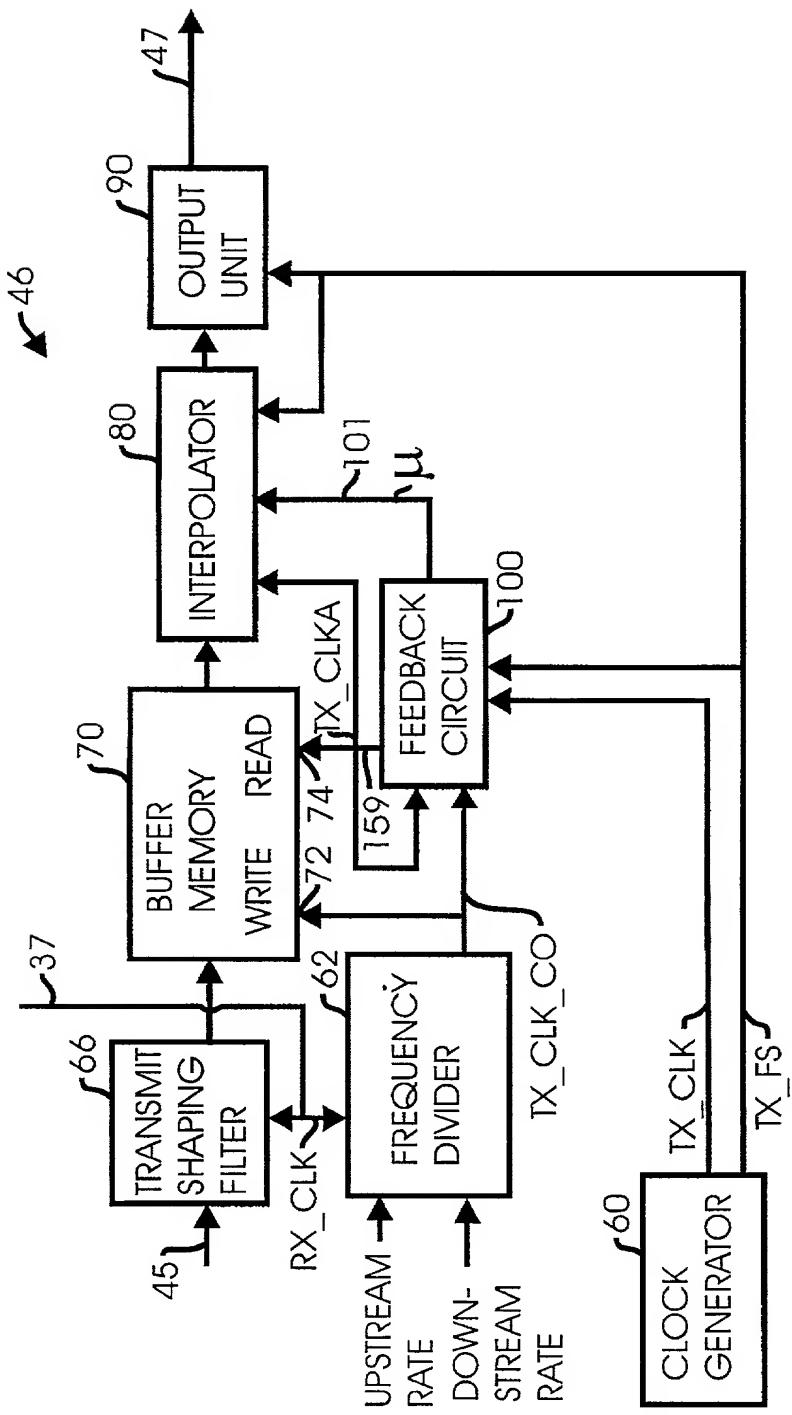


FIG. 3



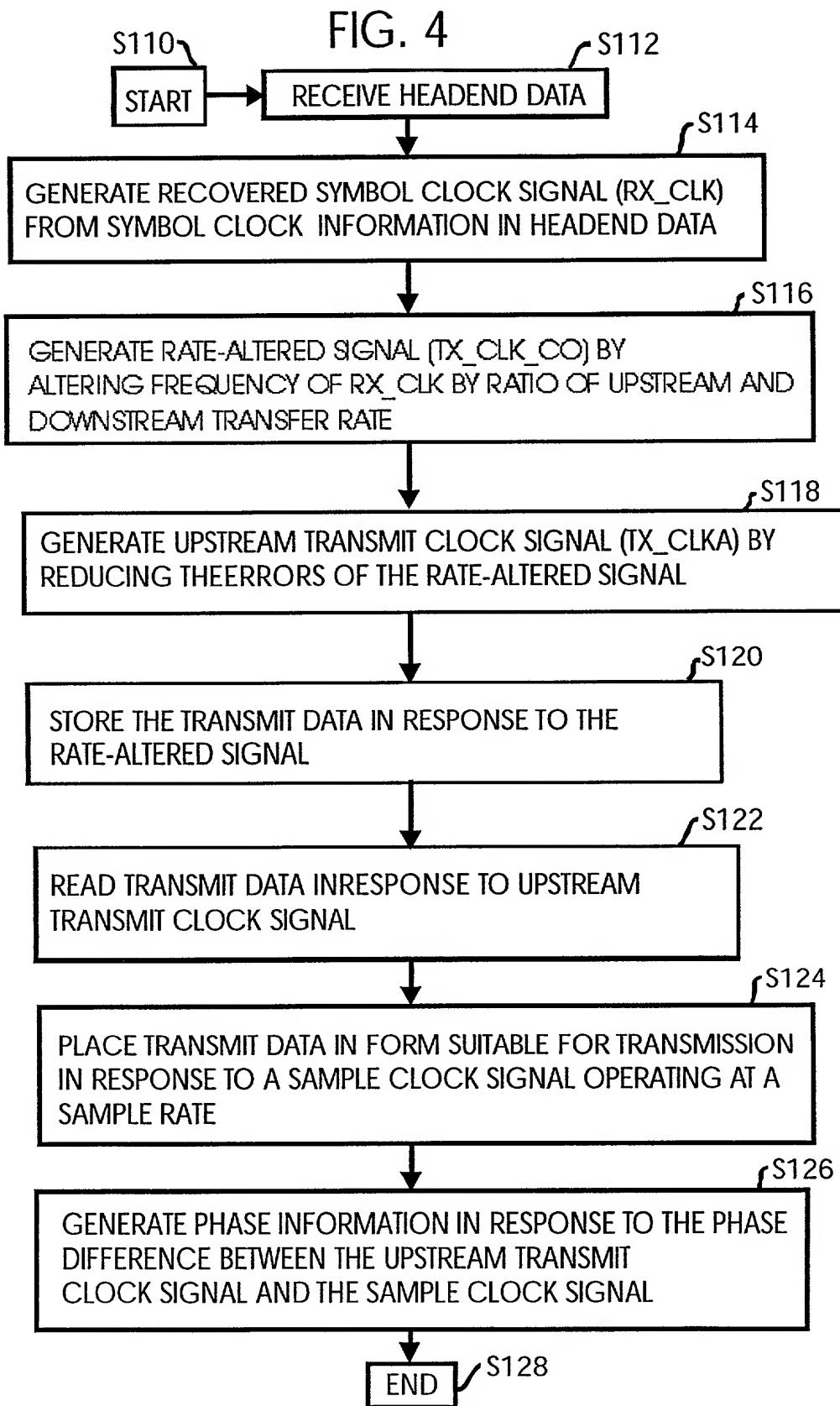
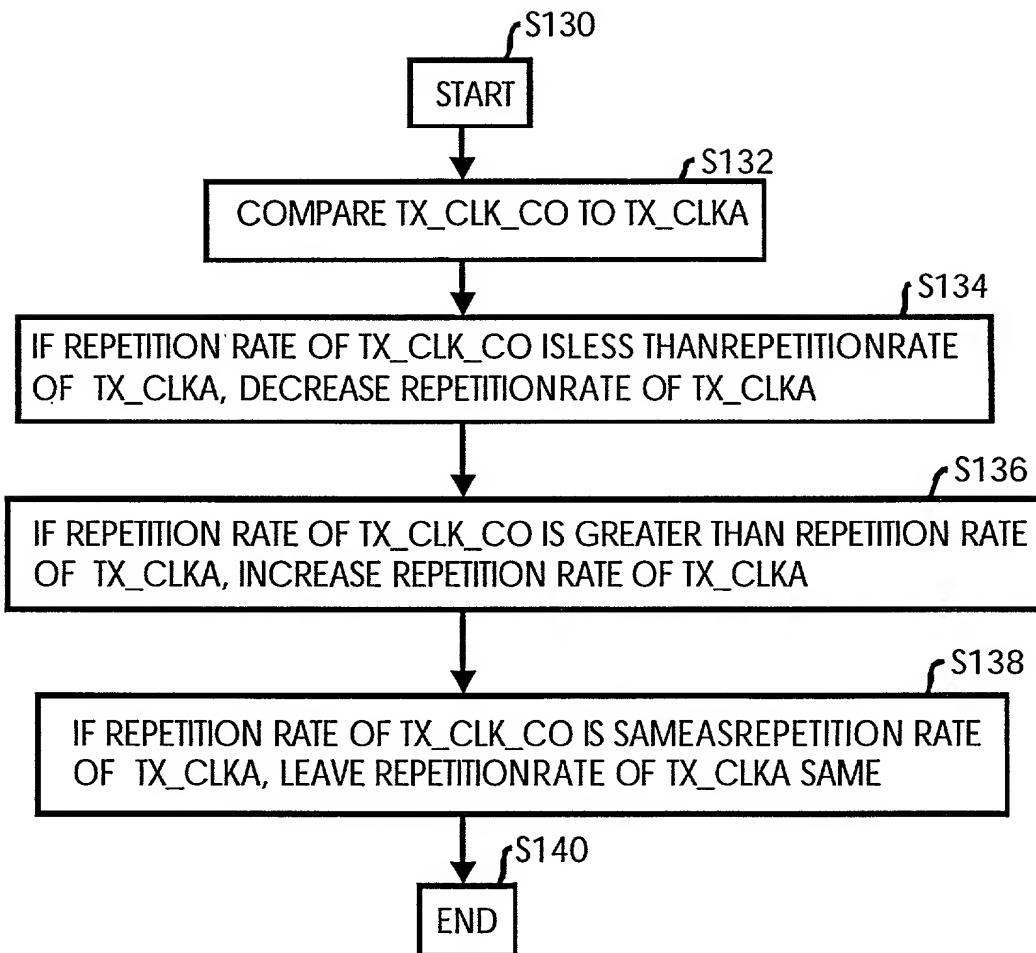


FIG. 5



148

101

158

μ

NCO

$\text{cw} \rightarrow$

tx_fs

156

cw_loop

Loop Filter

154

tx_clk

Phase Detector

152

152

Pre-filter

tx_fs

tx_fs

Fig. 6

tx_clk_co

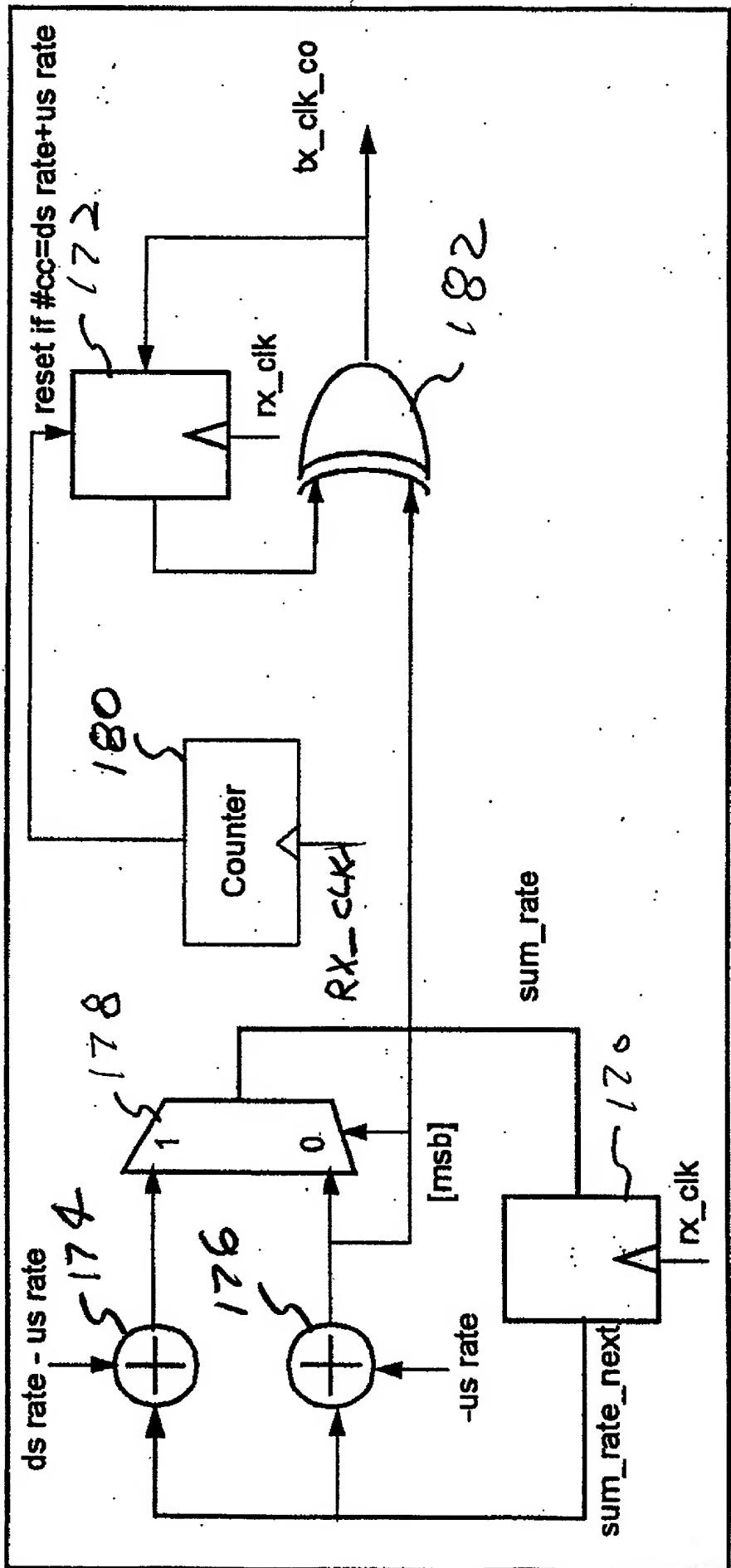
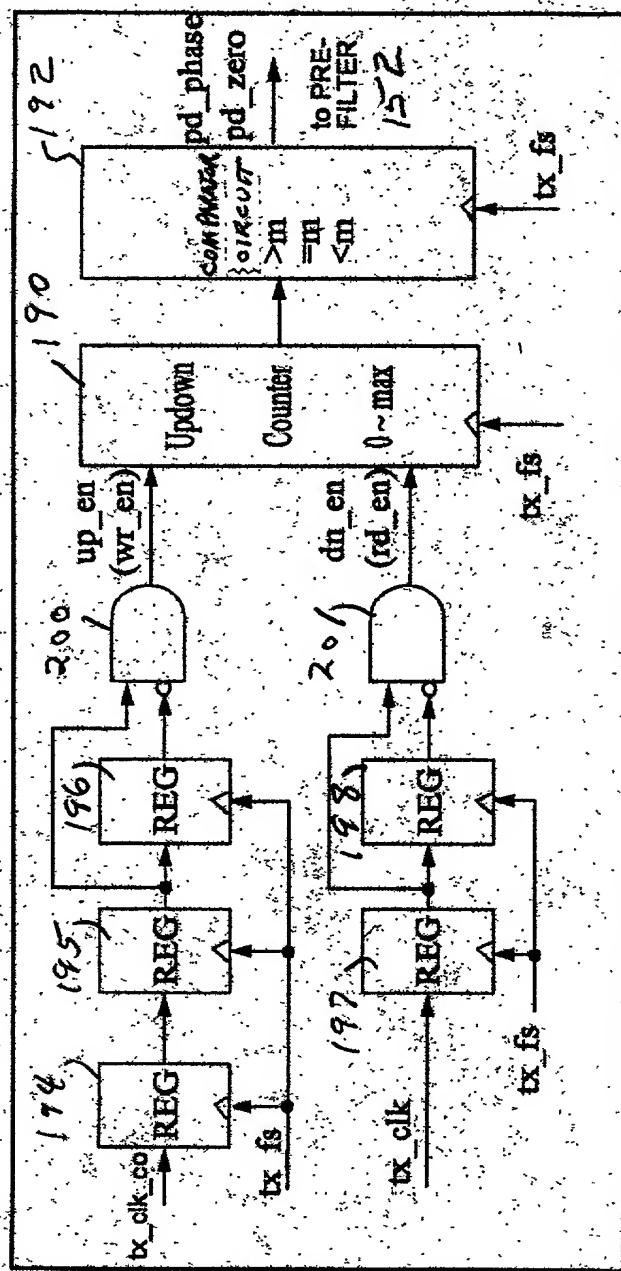


Fig. 7



F 1 Gr.

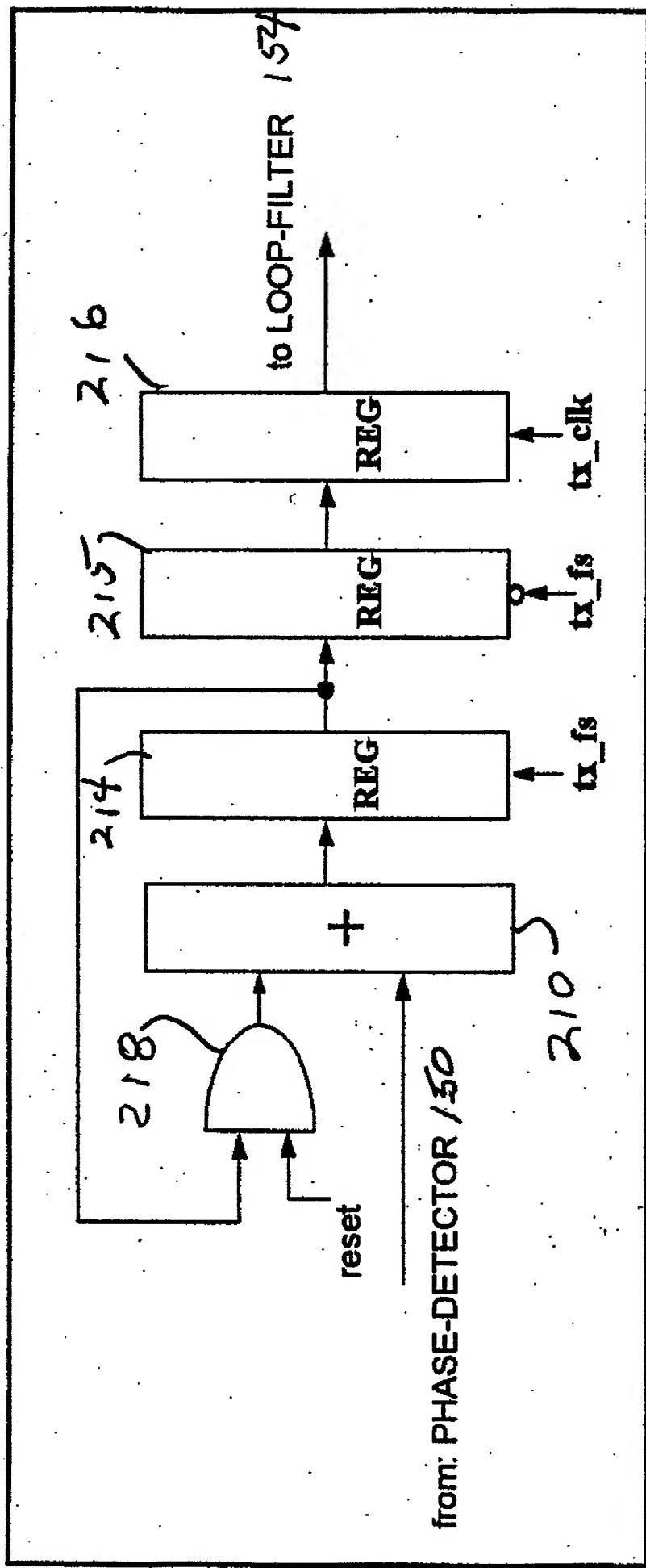


Fig. 6.9

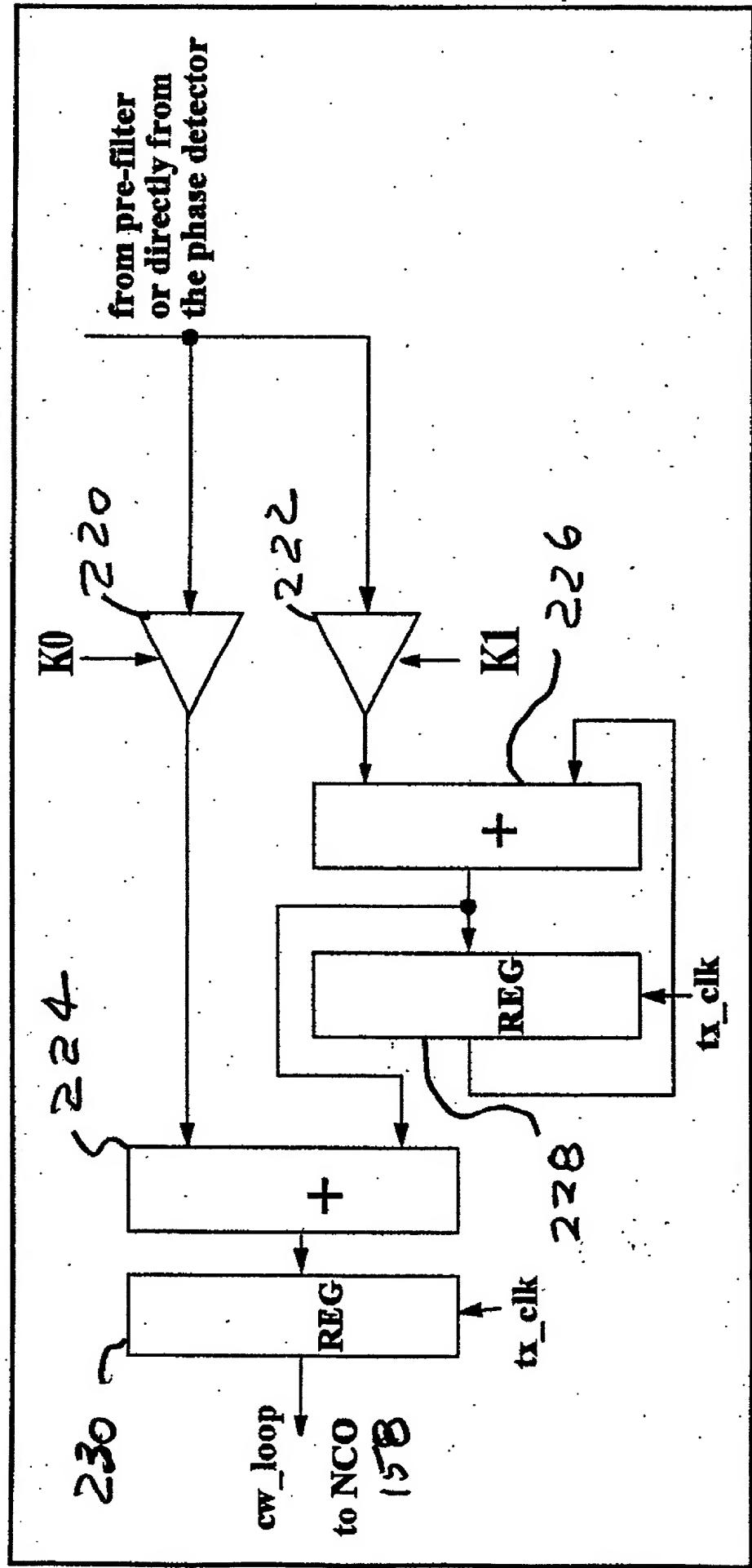


Fig. 10

F1 G. 11

